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L9: Entry 1 of 5

File: USPT

Oct 10, 2000

US-PAT-NO: 6130577

DOCUMENT-IDENTIFIER: US 6130577 A

TITLE: Digital demodulators for phase modulated and amplitude-phase modulated signals

DATE-ISSUED: October 10, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tamba; Yuko	Ome	N/A	N/A	JPX
Kondou; Taiji	Tachikawa	N/A	N/A	JPX
Furukawa; Katsuhiko	Ome	N/A	N/A	JPX
Ishihara; Yukihito	Maidenhead	N/A	N/A	GBX

US-CL-CURRENT: 329/304; 329/306, 329/310, 375/324, 375/329

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☐ 2. Document ID: US 6122239 A

L9: Entry 2 of 5

File: USPT

Sep 19, 2000

US-PAT-NO: 6122239

DOCUMENT-IDENTIFIER: US 6122239 A

TITLE: Pre-mastering, archival optical recorder that provides extended recording time

DATE-ISSUED: September 19, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bodo; Martin J.	Los Altos Hills	CA	N/A	N/A
Rosenbloom; Robert A.	Santa Cruz	CA	N/A	N/A
Lokhmotov; Igor	San Jose	CA	N/A	N/A

US-CL-CURRENT: 369/32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 5960335 A

L9: Entry 3 of 5

File: USPT

Sep 28, 1999

US-PAT-NO: 5960335  
DOCUMENT-IDENTIFIER: US 5960335 A

TITLE: Digital radio communication apparatus with a RSSI information measuring function

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Umemoto; Yuji	Tokyo	N/A	N/A	JPX
Wakabayashi; Naoyuki	Tokyo	N/A	N/A	JPX

US-CL-CURRENT: 455/226.2; 370/332, 455/234.1, 455/437, 455/553

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 5802039 A

L9: Entry 4 of 5

File: USPT

Sep 1, 1998

US-PAT-NO: 5802039  
DOCUMENT-IDENTIFIER: US 5802039 A

TITLE: Mobile radio communication apparatus with synchronized reception recovering function

DATE-ISSUED: September 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Obayashi; Arata	Tokyo	N/A	N/A	JPX
Wakabayashi; Naoyuki	Tokyo	N/A	N/A	JPX
Nakamura; Ken	Tokyo	N/A	N/A	JPX

US-CL-CURRENT: 370/216; 370/350, 455/67.1, 714/57, 714/704

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 5630220 A

L9: Entry 5 of 5

File: USPT

May 13, 1997

US-PAT-NO: 5630220  
DOCUMENT-IDENTIFIER: US 5630220 A

TITLE: Automatic gain control circuit for radio communication apparatus

DATE-ISSUED: May 13, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yano; Ryuji	Tokyo	N/A	N/A	JPX

US-CL-CURRENT: 455/234.1; 375/345, 455/266, 455/339

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Draw Desc	Image
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**1 A 4 kb/s hybrid MELP/CELP coder with alignment phase encoding zero-phase equalization**

*Stachurski, J.; McCree, A.*

Acoustics, Speech, and Signal Processing, 2000. ICASSP '00. Proceedings. 2 International Conference on , Volume: 3 , 2000

Page(s): 1379 -1382 vol.3

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

**2 Optimum codec companding for high-speed PCM data transmission telephone networks**

*Warke, N.; Ali, M.*

Acoustics, Speech, and Signal Processing, 1999. Proceedings., 1999 IEEE In Conference on , Volume: 5 , 1999

Page(s): 2679 -2682 vol.5

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

**3 A 6.1 to 13.3-kb/s variable rate CELP codec (VR-CELP) for AMR spe coding**

*Heinen, S.; Adratm, M.; Steil, O.; Vary, P.; Xu, W.*

Acoustics, Speech, and Signal Processing, 1999. Proceedings., 1999 IEEE In Conference on , Volume: 1 , 1999

Page(s): 9 -12 vol.1

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

**4 A 16, 24, 32 kbit/s wideband speech codec based on ATCELP**

*Combescure, P.; Schnitzler, J.; Fischer, K.; Kircherr, R.; Lamblin, C.; Le Guy Massalaux, D.; Quinquis, C.; Stegmann, J.; Vary, P.*

Acoustics, Speech, and Signal Processing, 1999. Proceedings., 1999 IEEE In Conference on , Volume: 1 , 1999

Page(s): 5 -8 vol.1

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

**5 Multi-rate speech coding for wireless and Internet applications***Kleider, J.E.; Pattison, R.J.*

Acoustics, Speech, and Signal Processing, 1999. Proceedings., 1999 IEEE In Conference on , Volume: 4 , 1999

Page(s): 2379 -2382 vol.4

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF****6 A wideband speech and audio codec at 16/24/32 kbit/s using hybrid ACELP/TCX techniques***Bessette, B.; Salami, R.; Laflamme, C.; Lefebvre, R.*

Speech Coding Proceedings, 1999 IEEE Workshop on , 1999

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[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF****7 Multi-rate wideband speech/channel codec based on MPEG-4/CELP ETSI/GSM full-rate channel***Murashima, A.; Serizawa, M.; Ozawa, K.*

Speech Coding Proceedings, 1999 IEEE Workshop on , 1999

Page(s): 19 -21

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF****8 Audio as a support to low bit rate multimedia communication***Huijuan Cui; Kun Tang; Taiyi Cheng*

Communication Technology Proceedings, 1998. ICCT '98. 1998 International Conference on , 1998

Page(s): 544 -547 vol.1

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF****9 Improvements in the speech quality for a DECT system***Ruiz-Mezcua, B.; Perez-Abadia, M.*

Vehicular Technology Conference, 1997, IEEE 47th , Volume: 2, 1997

Page(s): 549 -553 vol.2

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF****10 A wideband codec at 16/24 kbit/s with 10 ms frames***Salami, R.; Lefebvre, R.; Laflamme, C.*

Speech Coding For Telecommunications Proceeding, 1997, 1997 IEEE Works 1997

Page(s): 103 -104

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF****11 Hybrid coding of speech at 4 kbps***Shlomot, E.; Cuperman, V.; Gersho, A.*

Speech Coding For Telecommunications Proceeding, 1997, 1997 IEEE Works  
1997

Page(s): 37 -38

[\[Abstract\]](#) [\[PDF Full-Text\]](#) **CNF**

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**12 An audio coding system using subband backward linear prediction**

*Lin Yin*

Circuits and Systems, 1997. ISCAS '97., Proceedings of 1997 IEEE International  
Symposium on , Volume: 4 , 1997

Page(s): 2617 -2620 vol.4

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**13 A 1.8 V 94 dB dynamic range /spl Sigma//spl Delta/ modulator for applications**

*Grilo, J.; MacRobbie, E.; Halim, R.; Temes, G.*

Solid-State Circuits Conference, 1996. Digest of Technical Papers. 42nd ISS  
IEEE International , 1996

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**14 Design of a pitch synchronous innovation CELP coder for mobile communications**

*Mano, K.; Moriya, T.; Miki, S.; Ohmuro, H.; Ikeda, K.; Ikeda, J.*

Selected Areas in Communications, IEEE Journal on , Volume: 13 Issue: 1 , J

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**15 A transistor-only switched current sigma-delta A/D converter for speech CODEC**

*Nedved, J.; Vanneuville, J.; Gevaert, D.; Sevenhans, J.*

Solid-State Circuits, IEEE Journal of , Volume: 30 Issue: 7 , July 1995

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Conference on , Volume: 1 , 1995

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digital telephone sets***Nicollini, G.; Confalonieri, P.; Crippa, C.; Pernici, S.; Mazoyer, Y.; Dallavalle,  
Mariani, S.; Calloni, A.*

Solid-State Circuits, IEEE Journal of , Volume: 29 Issue: 9 , Sept. 1994

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[\[Abstract\]](#) [\[PDF Full-Text\]](#) **JNL****18 Secure speech and data communication over the public switching  
telephone network***Diez-Del-Rio, L.; Moreno-Perez, S.; Sarmiento, R.; Parera, J.; Veiga-Perez, M  
Garcia-Gomez, R.*Acoustics, Speech, and Signal Processing, 1994. ICASSP-94., 1994 IEEE Inte  
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modulators***Hossack, D.M.; Reid, J.; Sewell, J.I.*

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**20 Use of low-delay code-excited linear prediction technology in circ multiplexed networks**

*Dimolitsas, S.; Corcoran, F.L.; Baraniecki, M.; Phipps, J.G., Jr.*

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**21 Moving picture transmission at low bitrates for sign language communication**

*Whybray, M.W.*

Image Processing for Disabled People, IEE Colloquium on , 1992

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**22 A 7 kHz bandwidth, 32 kbps speech coder for ISDN**

*Quackenbush, S.*

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**23 Mobile communication switching system for voice/nonvoice service**

*Ishino, F.; Arita, T.; Yabusaki, M.; Osano, I.*

Global Telecommunications Conference, 1991. GLOBECOM '91. 'Countdown Millennium. Featuring a Mini-Theme on: Personal Communications Services

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**24 China 1991 International Conference on Circuits and Systems. Conference Proceedings (Cat. No.91TH0387-1)**

Circuits and Systems, 1991. Conference Proceedings, China., 1991 International Conference on , 1991

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**25 Implementation of packet-based encoding schemes for speech transmission**

*Lockhart, G.B.; Lara-Barron, M.M.*

Digital Processing of Signals in Communications, 1991., Sixth International Conference on , 1991

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**26 A subband coding, BCH coding, and 16-QAM system for mobile radio**

**speech communications***Hanzo, L.; Steele, R.; Fortune, P.-M.*

Vehicular Technology, IEEE Transactions on , Volume: 39 Issue: 4, Nov. 199

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**27 Audio codec for 64 kbit/sec (ISDN channel)-requirements and res***Eberlein, E.; Gerhaser, H.; Krageloh, S.*

Acoustics, Speech, and Signal Processing, 1990. ICASSP-90., 1990 Internat Conference on , 1990

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Information Theory, 1988. Abstracts of Papers., 1988 IEEE International Sym on , 1988

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